

03050207-090

(*Buckhead Creek*)

General Description

Watershed 03050207-090 is located in Bamberg and Colleton Counties and consists primarily of *Buckhead Creek* and its tributaries. The watershed occupies 50,981 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Rains-Lynchburg-Goldsboro series. The erodibility of the soil (K) averages 0.16, and the slope of the terrain averages 1%, with a range of 0-3%. Land use/land cover in the watershed includes: 53.5% forested land, 22.0% agricultural land, 19.5% forested wetland, 4.1% barren land, 0.4% urban land, 0.4% nonforested wetland, and 0.1% water.

Buckhead Creek accepts drainage from Steedley Branch, Bear Creek, Hog Branch, and Deep Bottom Creek (Fosters Bay) before flowing into the Little Salkehatchie River. There are a total of 91.9 stream miles and 57.8 acres of lake waters in this watershed, all classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
CSTL-119	W	FW	BUCKHEAD CREEK AT SC 212

Buckhead Creek (CSTL-119) – Aquatic life uses are fully supported. This is a blackwater system, characterized by naturally low pH and dissolved oxygen concentrations. Although dissolved oxygen and pH excursions occurred, they were typical of values seen in blackwater systems and are considered natural, not standards violations. Recreational uses are not supported due to fecal coliform bacteria excursions.

NPDES Program

Active NPDES Facilities

RECEIVING STREAM

FACILITY NAME

PERMITTED FLOW @ PIPE (MGD)

BUCKHEAD CREEK
RUFFIN HIGH SCHOOL/COLLETON BRD ED
PIPE #: 001 FLOW: 0.015

NPDES#

TYPE

COMMENT

SC0033766
MINOR DOMESTIC

Growth Potential

There is a low potential for growth in this watershed, which contains the Towns of Smoaks and Williams.